

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A process for isolating growth factor enriched fibrinogen concentrate comprising the steps of:
obtaining platelet rich plasma;
adding a fibrinogen-precipitating agent to said platelet rich plasma; and
recovering growth factor enriched fibrinogen concentrate from said platelet rich plasma.
2. (Currently Amended) A process according to claim 1, wherein said precipitating agent is polyethylene glycol.
3. (Currently Amended) A process according to claim 1, wherein said precipitating agent is ammonium sulfate.
4. (Currently Amended) A process according to claim 1, wherein said step of obtaining platelet rich plasma comprises the step of subjecting ~~plasma~~ **blood** to centrifugation.
5. (Currently Amended) A process according to claim 4, wherein said step or centrifugation comprises the step of subjecting said ~~plasma~~ **blood** to a force of about 580G for about three minutes.
6. (Currently Amended) A process according to claim 1, wherein said platelet rich plasma comprises plasma having 50K to 450K platelets/mm³.

7. (Currently Amended) A process according to claim 1, wherein the step of recovering fibrinogen comprises the step of subjecting said platelet rich plasma and said precipitating agent to centrifugation.

8. (Currently Amended) A process according to claim 1, wherein the step of obtaining platelet rich plasma comprises the step of subjecting about 50ml of anticoagulated whole blood to centrifugation and decanting 23-25ml of said platelet rich plasma, and said step of adding a precipitating agent comprises adding about 15ml of 30% polyethylene glycol (MW100) to said platelet rich plasma.

9. (Currently Amended) A process according to claim 1, wherein the step of obtaining platelet rich plasma comprises the step of subjecting about 50ml of anticoagulated whole blood to centrifugation and decanting 23-25ml of said platelet rich plasma, and said step of adding a precipitating agent comprises adding about 7ml of saturated ammonium sulfate.

10. (Currently Amended) A process according to claim 1, wherein said step of recovering fibrinogen further comprises the step of adding a buffer to said fibrinogen.

11. (Currently Amended) A product made by the process of ~~any one of claims 1-10;~~
obtaining platelet rich plasma;
adding a fibrinogen-precipitating agent to said platelet rich plasma; and
recovering growth factor enriched fibrinogen concentrate from said platelet rich plasma.

12. (New) A process for healing a wound comprising the steps of:
obtaining platelet rich plasma;
mixing a fibrinogen-precipitating agent with said platelet rich plasma;

recovering growth-factor enriched fibrinogen concentrate from said platelet rich plasma; and

applying said growth-factor enriched fibrinogen to a wound.

13. (New) A process according to claim 12, further comprising the step of mixing thrombin with said growth-factor enriched fibrinogen concentrate.

14. (New) A process according to claim 12, wherein the step of recovering comprises subjecting said platelet rich plasma mixed with said fibrinogen-precipitating agent to centrifugation.

15. (New) A process comprising:

placing whole blood in a first chamber of a two-chamber disposable;

centrifuging said disposable having said whole blood therein to provide a platelet rich plasma supernatant;

transferring said platelet rich plasma supernatant to a second chamber of said two-chamber disposable;

mixing a fibrinogen-precipitating agent with said platelet rich plasma supernatant;

centrifuging said disposable having said platelet rich plasma supernatant mixed with said fibrinogen-precipitating agent therein to separate fibrinogen, platelets and growth factors from a plasma supernatant;

transferring said plasma supernatant to said first chamber; and

removing said fibrinogen, platelets and growth factors from said second chamber.

16. (New) A process according to claim 15, further comprising the step of applying said fibrinogen, platelets, and growth factors to a wound.

17. (New) A process according to claim 16, comprising the step of mixing thrombin with said fibrinogen, platelets and growth factors.
18. (New) The product of claim 11, wherein said precipitating agent is ammonium sulfate.
19. (New) The product of claim 11, wherein said precipitating agent is polyethylene glycol.
20. (New) The product of claim 11, wherein said step of obtaining platelet rich plasma comprises the step of subjecting blood to centrifugation.
21. (New) The product of claim 11, wherein said step of precipitating comprises the step of subjecting said platelet rich plasma and fibrinogen precipitating agent to centrifugation.